

OTK C88
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PATENT & TRADEMARK OFFICE

Applicant: Preston F. Crow et al
U.S.S.N.: 10/644,458
Title: VERSATILE INDIRECTION IN AN EXTENT BASED FILE SYSTEM
Filing Date: 8/20/2003 Docket No.: EMC-99-026CON1
Attorney: Scott A. Ouellette, Esq. (Reg. No. 38,573)

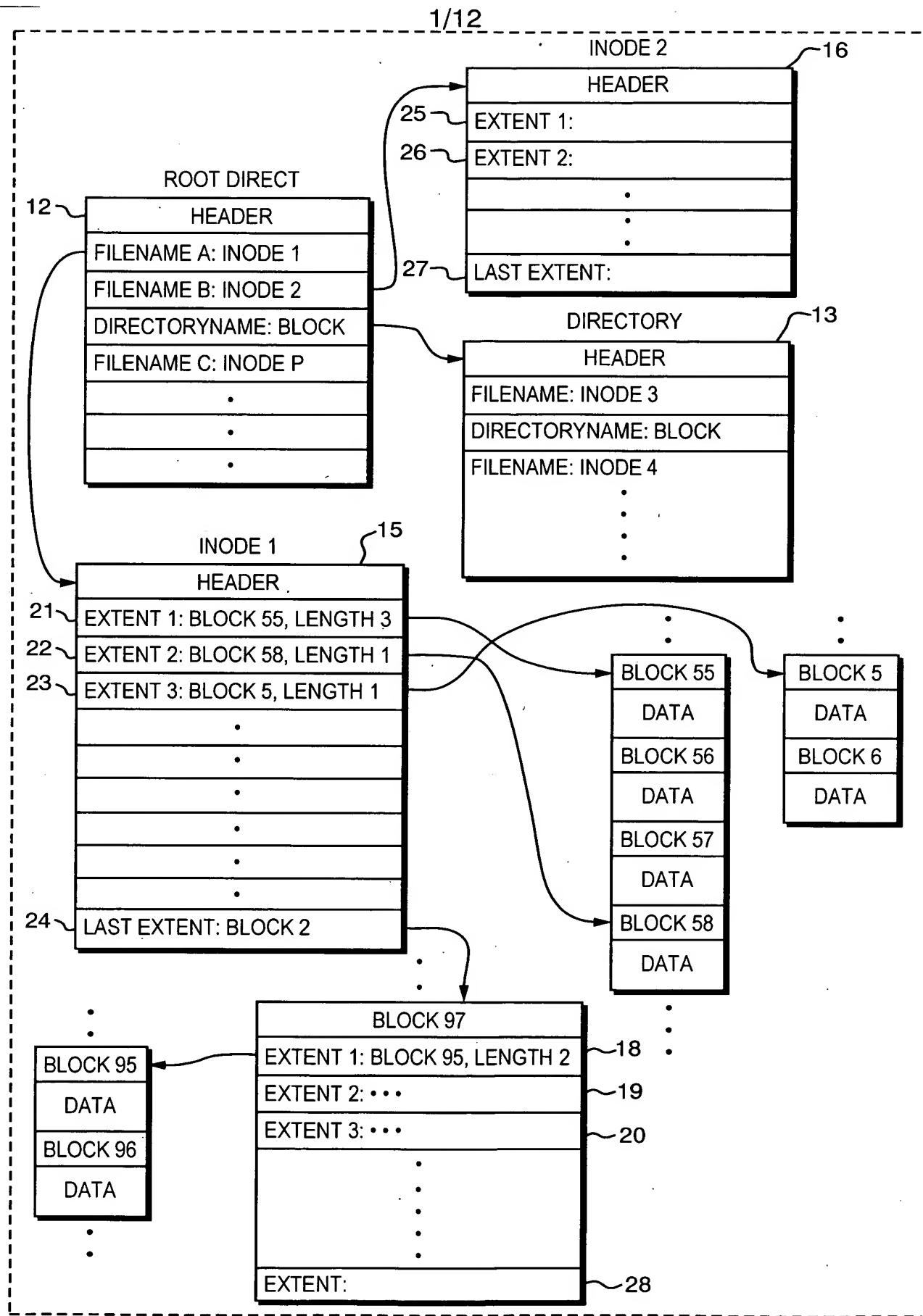


FIG. 1 (PRIOR ART)

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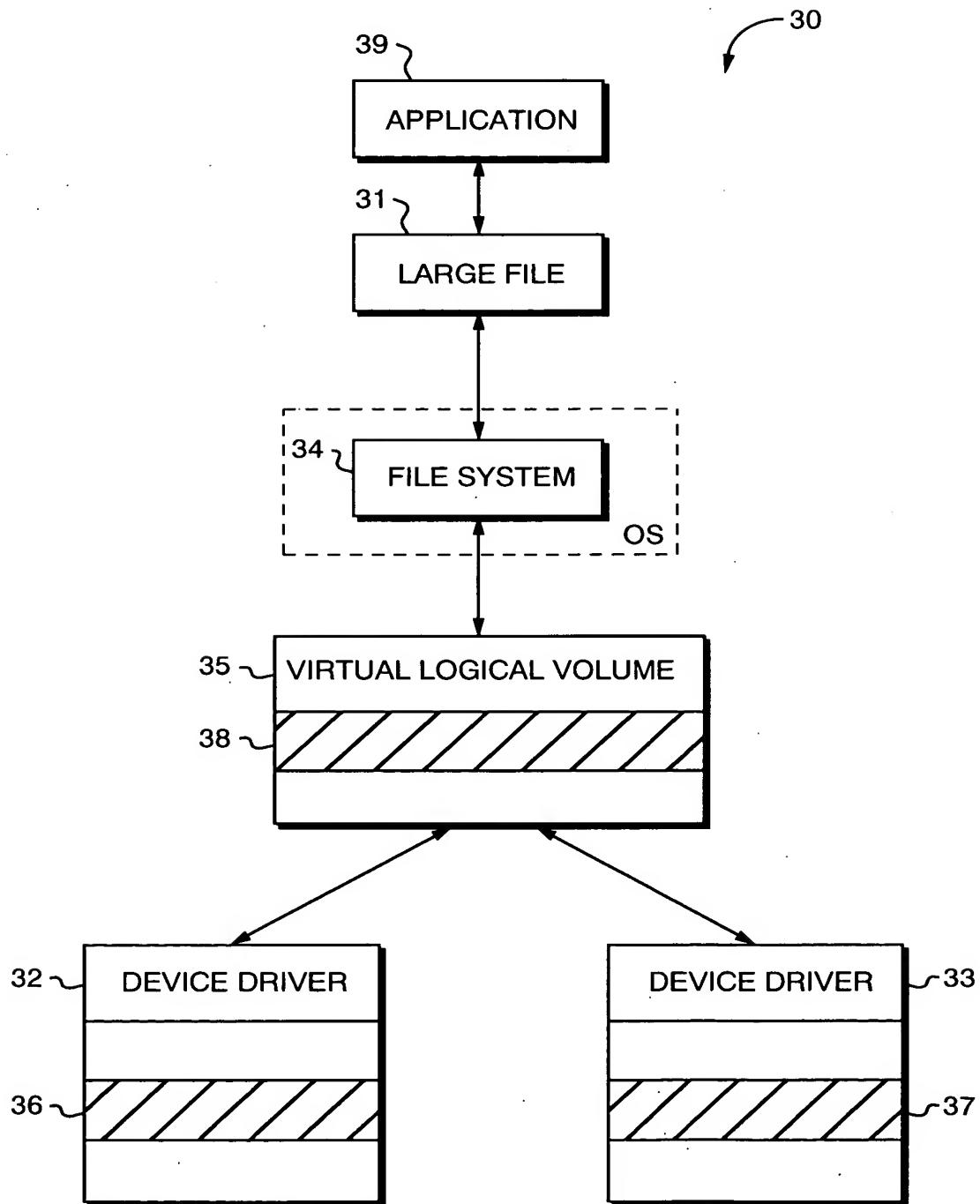


FIG. 2
(PRIOR ART)

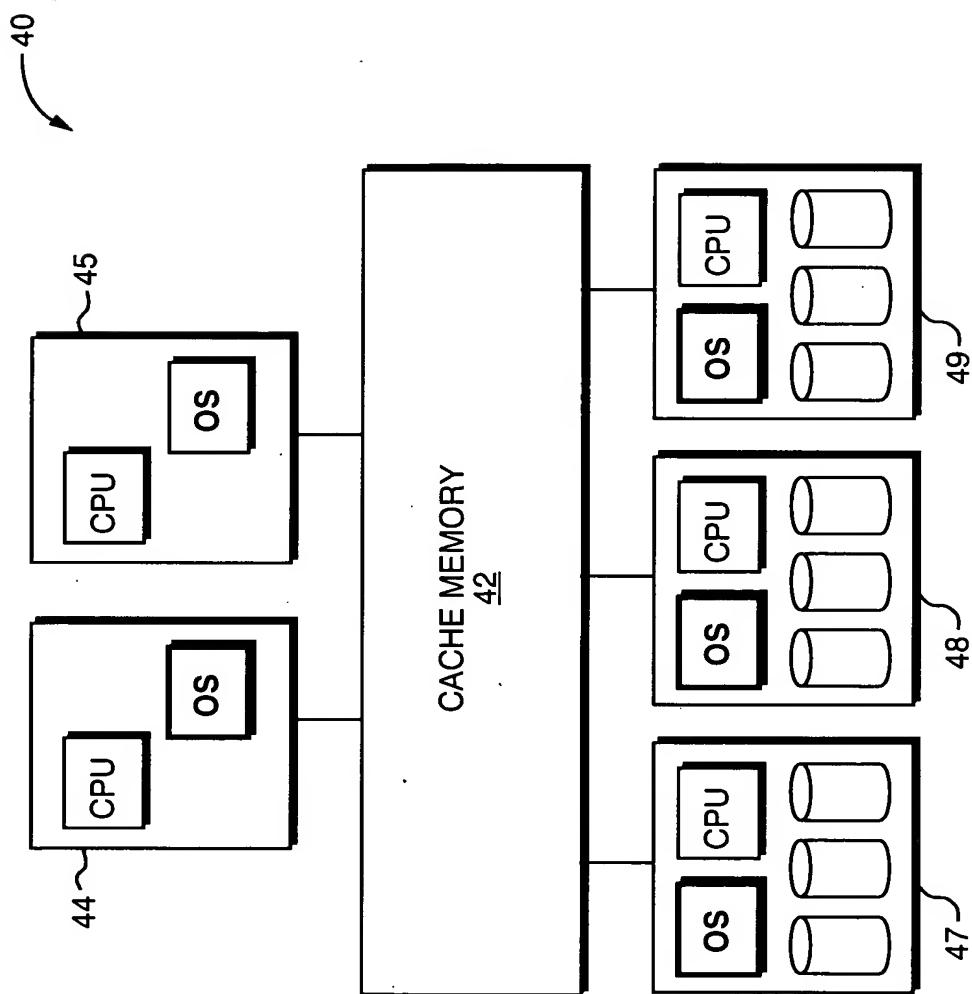


FIG. 3

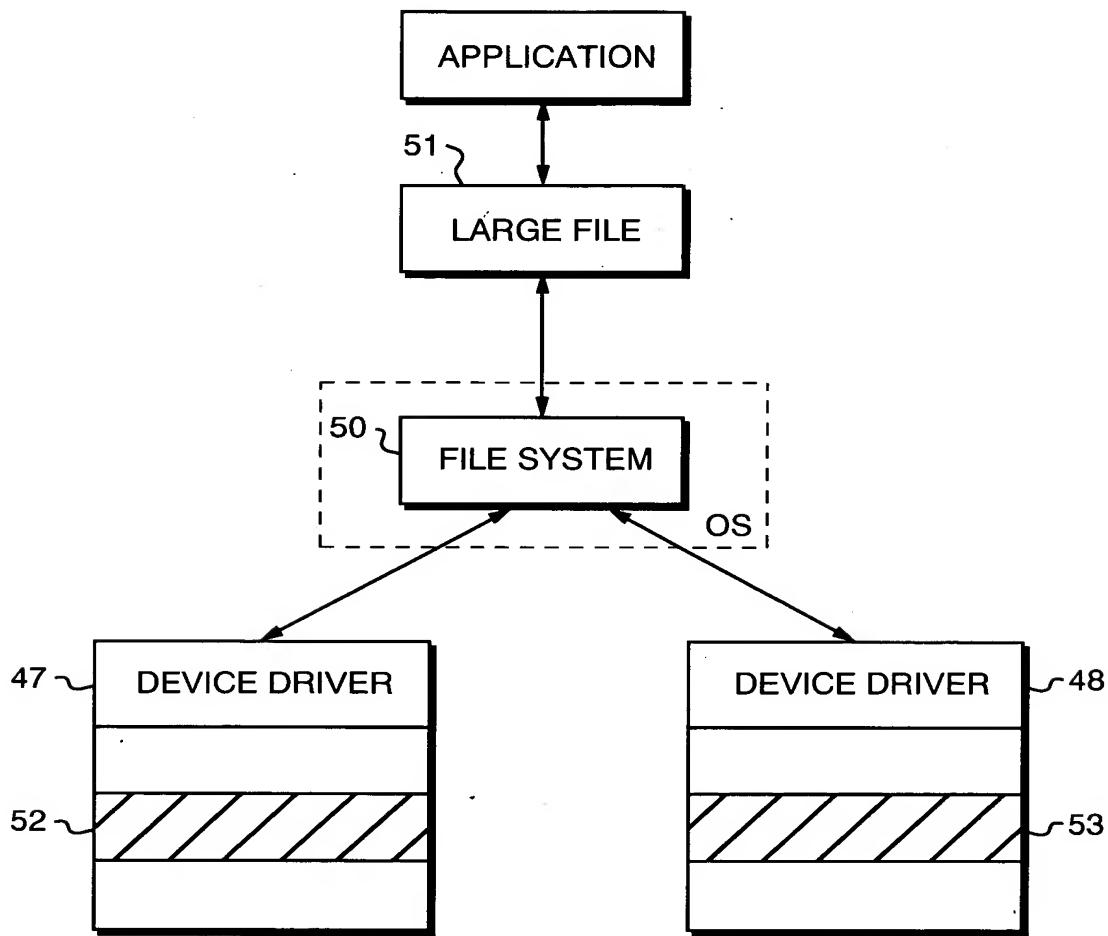


FIG. 4

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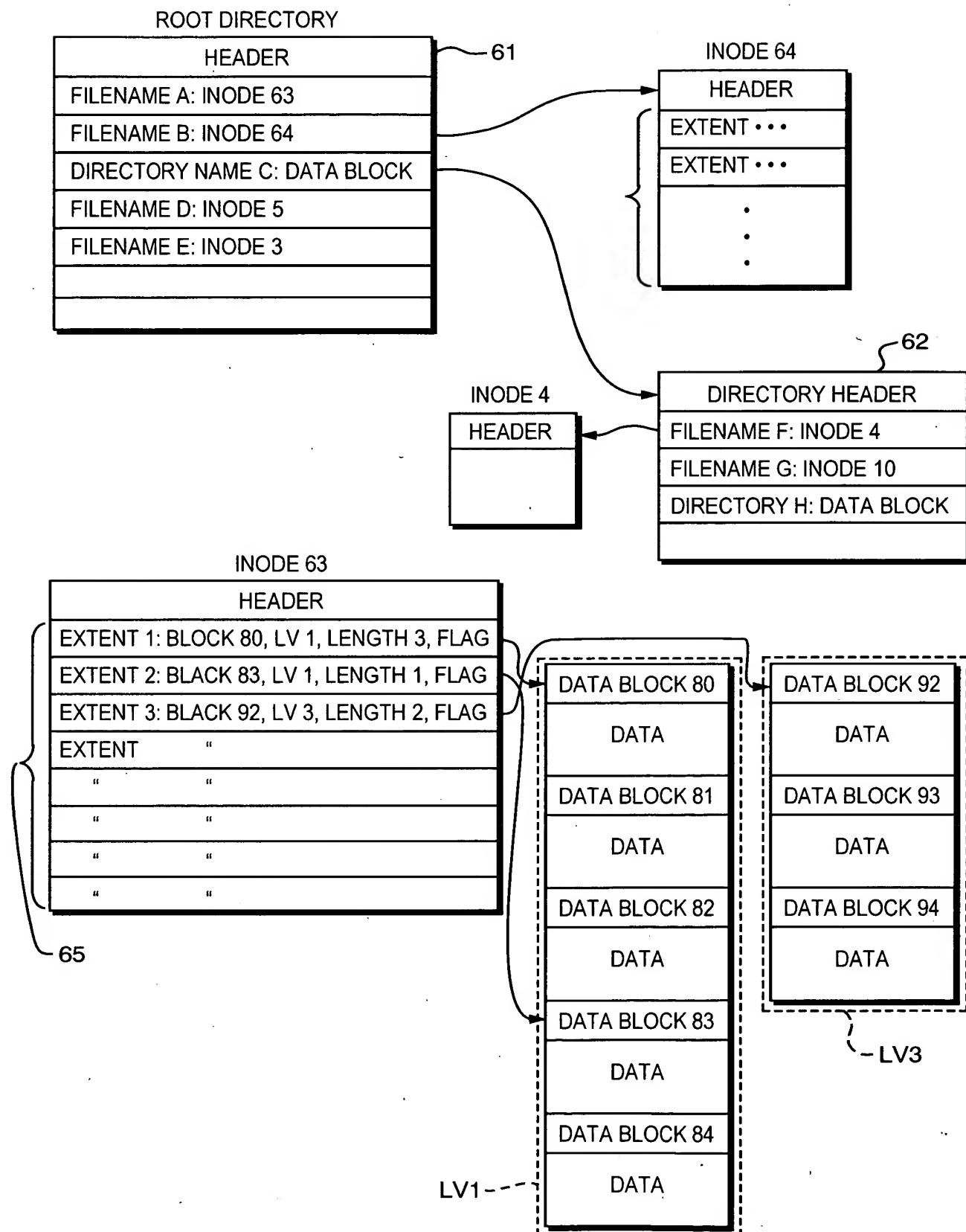


FIG. 5

EXTENT = { START ADDRESS POINTER, LENGTH, FLAGS }
6 BYTES 4 BYTES 2 BYTES

FIG. 6A

START ADDRESS = { BLOCK POINTER, LOGICAL VOLUME POINTER }
4 BYTES 2 BYTES

LENGTH = { NUMBER OF DATA BLOCKS }

FLAGS = { LOCKED; ZEROED; HOLE, DIRECT, OR INDIRECT }
Y/N Y/N
SELECTION

FIG. 6B

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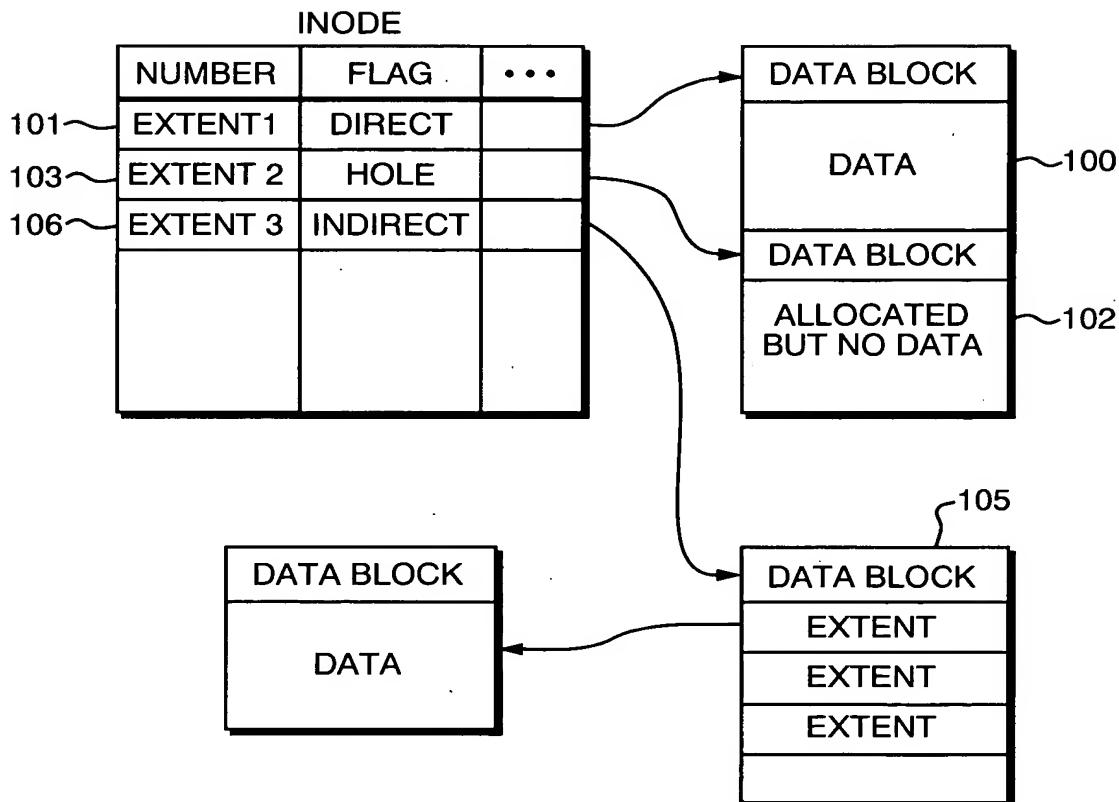


FIG. 7

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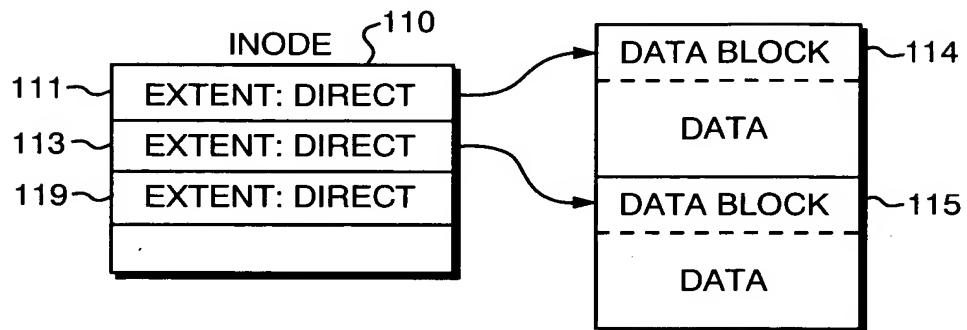


FIG. 8A

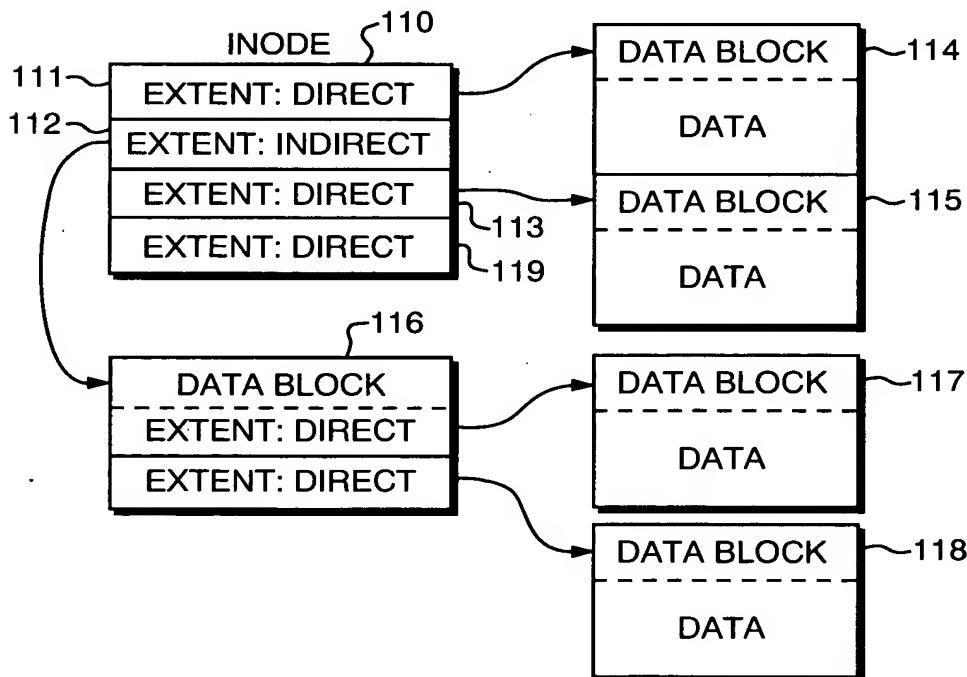


FIG. 8B

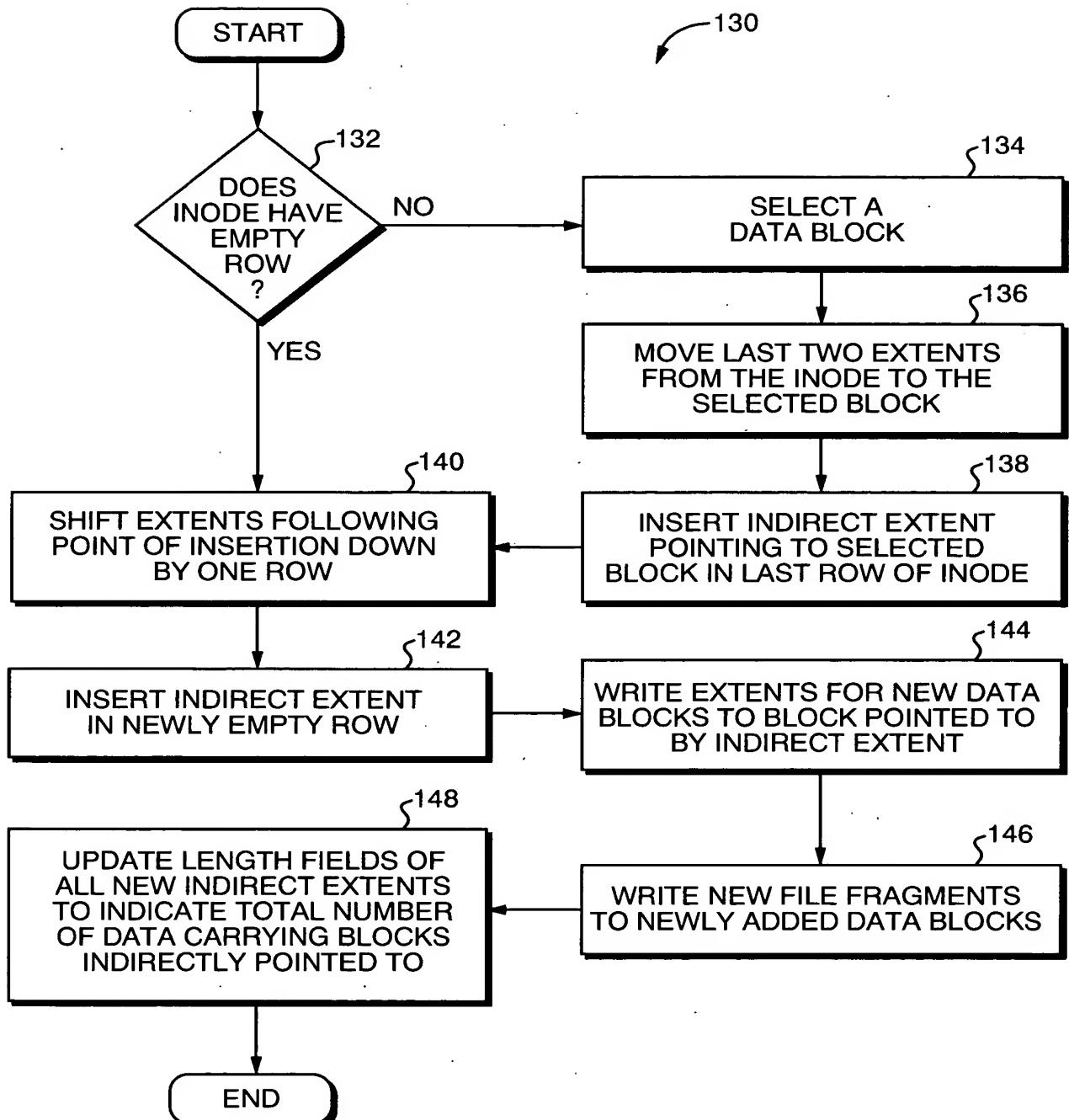


FIG. 8C

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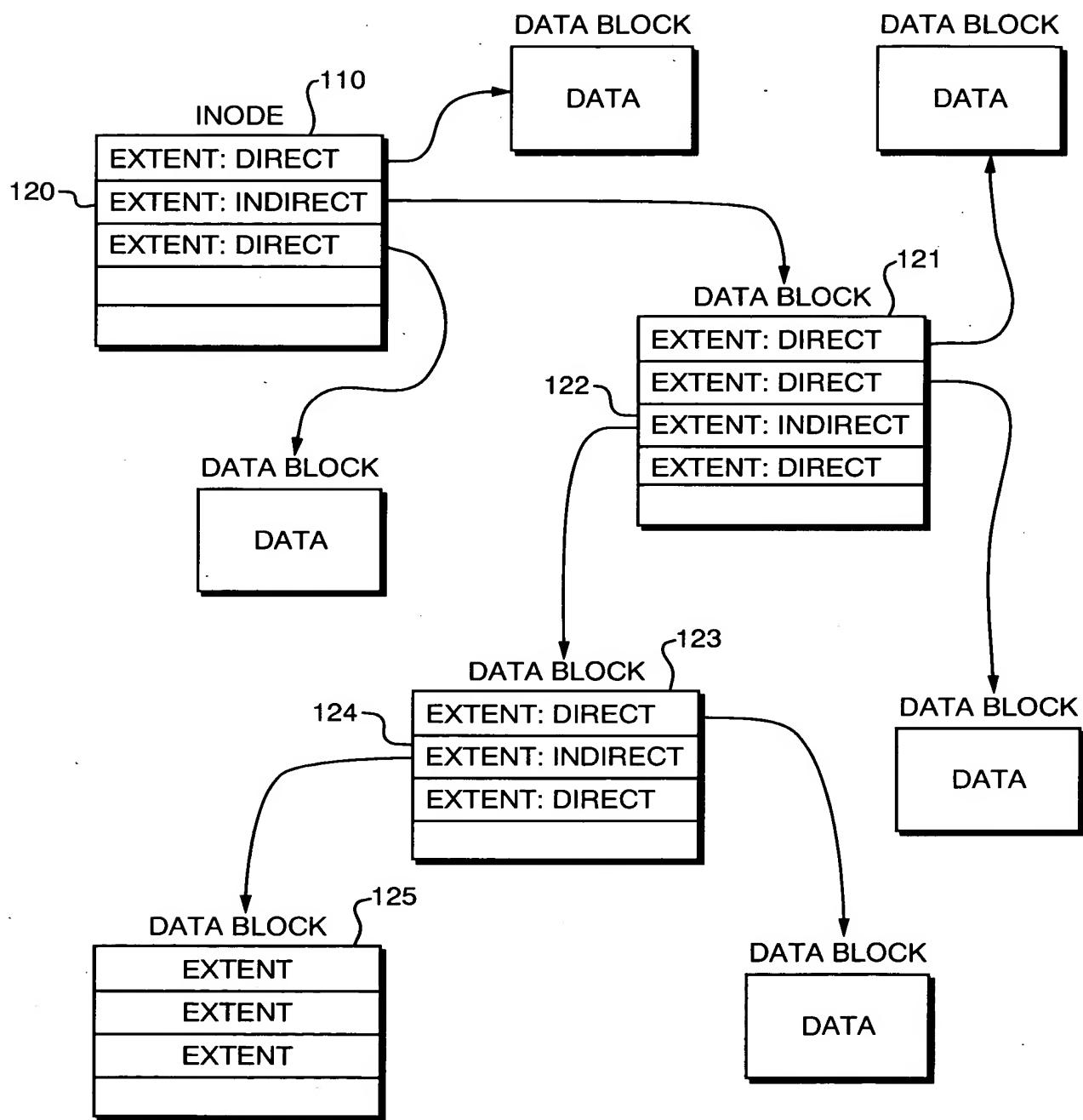


FIG. 9

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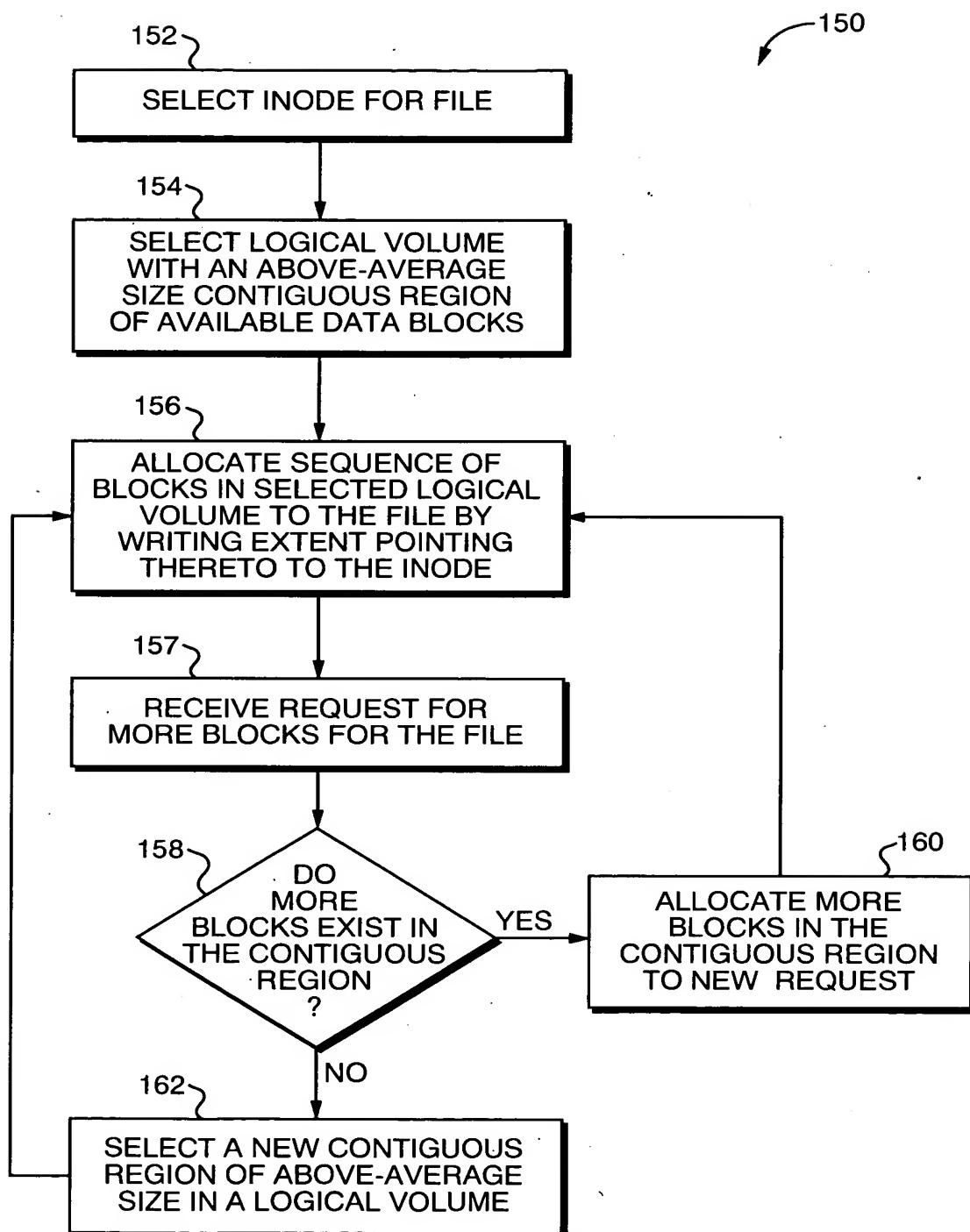


FIG. 10

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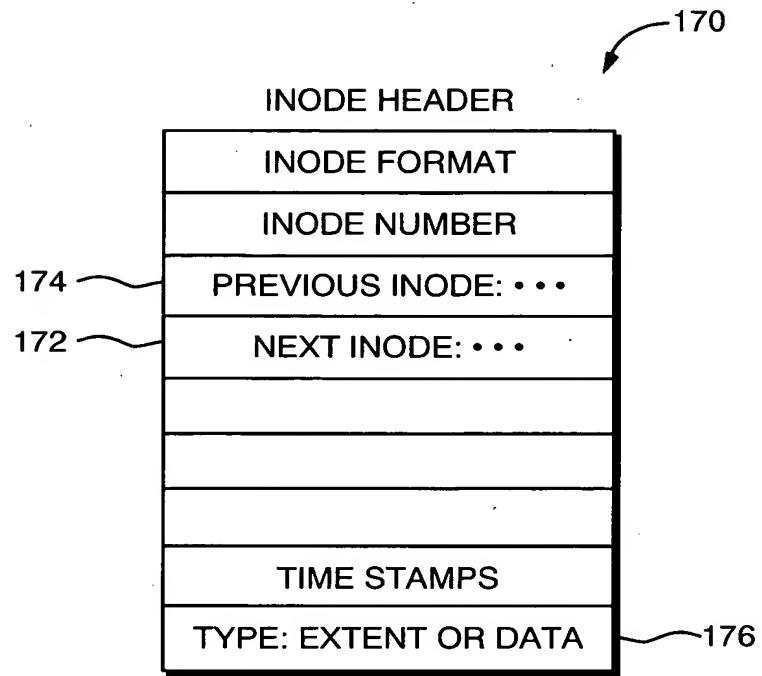


FIG. 11